

NEW DIGITAL RASTER GRAPHICS (DRGs) of NORTH CAROLINA: 1999 – 2005

Open-file Report 2005-1

by

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This report transmits 182 digital raster graphic (DRG) 1:24,000-scale topographic maps of North Carolina that were revised between 1999 and December 2005 through a collaborative jointly funded program between the North Carolina Geological Survey (NCGS) and the U.S. Geological Survey. Each map is keyed to its respective county(ies) (Table 1). Figure 1 shows the location of each topographic map. More than one topographic map covers a county. An on-line topographic map index is at: http://www.geology.enr.state.nc.us/maps/24k_index_page.html.

Federally compliant metadata and a 'world file' for use with a geographic information system (GIS) accompany each DRG. Maps can also be viewed on a computer with sufficient capability but without GIS software using public image viewers. Paper maps of each of the digital raster graphic topographic maps are available for purchase at a nominal charge from the NCGS Map and Publication Sales office at 919.715.9718 (direct telephone number), or by mail at the North Carolina Geological Survey, 1612 Mail Service Center, Raleigh, North Carolina, 27699-1612. The NCGS general telephone number is 919.733.2423. The NCGS' street address is the Archdale Building, Suite 527-F, 512 North Salisbury Street, Raleigh, North Carolina 27604-1148.

The topographic maps in this report are the last to be revised using traditional photoinspection and revision map revision techniques. The aerial photographs used to revise most of these maps are from 2001 and 2002 (check the aerial photograph data in the lower left map collar corner for maps of interest). Much of the imagery used was National Technical Means (NTM) imagery. The last update for many of these maps was in the 1970's and 1980's. Subsequent topographic map revisions will be done digitally – similar to the process used in the Charlotte/Mecklenburg prototype project (<http://nationalmap.gov/projects/mecklenburg.html>), and a likely component of the National Map.

Photoinspection including NTM imagery was used to select maps for revision and to determine if minor or more substantive revision was warranted. Topographic map revision in North Carolina has been the responsibility of the NCGS for many decades under state law. Not all maps identified as minor revision candidates are revised because of other factors, including: limited state and federal matching funds, maps were revised by the U. S. Forest Service, maps lying along state borders, maps recently revised, production capacity and other factors. Minor revisions are far less expensive (about \$900 state share per quadrangle) than "basic revision" (about \$10,000 state share per quadrangle) because fewer changes are needed.

Topographic maps include the following information: land formations, water bodies, roads, municipal boundaries, railroad tracks and forested areas. Topographic maps are excellent tools for communities to use as they plan for growth. Governments, citizens and industry depend on a common set of base information that describes the Earth's surface and locates features. They use these data as a tool for emergency management and response, economic and community development, land and natural resource management,

and health and safety services – including homeland security. Federal functions ranging from emergency management and defense to environmental protection rely on these data. Private industry, nongovernmental organizations and individual citizens also use the same geographic data. Geographic information underpins an increasingly large part of the Nation's economy.

Local government leaders and planners, residents, interest groups and others can order copies of the paper maps corresponding to the digital data in this report. Topographic maps are sold by the NCGS for \$6.00 (plus North Carolina state sales tax for in-state orders), plus shipping and handling if mailed. The NCGS Map and Publication Sales Office telephone number is 919.715.9718. The mailing address is North Carolina Geological Survey, 1612 Mail Service Center, Raleigh, North Carolina, 27699-1612. The NCGS accepts payment by check, money order or VISA[®] / MasterCard[®].

Table

Table 1. List of revised topographic maps 1999-2005. Column header explanation: Num (ascension number), Quadrangle name (quadrangle name), County or counties (county[ies] in which the quadrangle is located), Revision type (minor or basic), Year 1 (most recent revision), Year 2 (earlier revision), USGS order number (USGS order number).

Num	Quadrangle name	County or counties	Revision type	Year 1	Year 2	USGS order number
1	Anderson	Caswell	Minor	2002		0 O36079C3
2	Angier	Wake, Johnston, Harnett	Minor	1998		0 O35078E6
3	Apex	Wake	Basic	2004	1999	O35078F7
4	Aquadale	Stanly, Anson	Minor	2003		0 O35080B2
5	Autryville	Cumberland	Minor	2002		0 O34078H6
6	Banoak	Lincoln, Catawba	Minor	2003		0 O35081E4
7	Barco	Currituck	Minor	2002		0 O36075D8
8	Bayleaf	Wake, Durham	Basic	2003	1999	O35078H6
9	Belews Creek	Forsyth, Guilford	Minor	2003		0 O36080B1
10	Belews Lake	Stokes, Rockingham	Minor	2003		0 O36080C1
11	Benson	Johnston, Harnett	Basic	2000		0 O35078D5
12	Bessemer City	Gaston, Cleveland	Minor	2003		0 O35081C3
13	Bluff Point	Hyde	Minor	2002		0 O35076C2
14	Boiling Springs North	Cleveland, Rutherford	Minor	2003		0 O35081C6
15	Bottom	Surry	Minor	2003		0 O36080D7
16	Broad Creek	Carteret, Pamlico	Minor	2002		0 O35076A5
17	Bunn West	Franklin, Wake	Minor	2000		0 O35078H3
18	Bunnlevel	Harnett, Cumberland	Basic	2000		0 O35078C7
19	Camden Point	Camden, Currituck	Minor	2002		0 O36075B8
20	Cape Fear	Brunswick	Minor	2001		0 O33077G8
21	Cape Hatteras	Dare	Minor	2002		0 O35075B5
22	Cary	Wake, Durham	Basic	2004	1999	O35078G7
23	Chapel Hill	Orange, Durham	Basic	2004	1998	O35079H1
24	Cherryville	Gaston, Lincoln, Rutherford	Minor	2003		0 O35081D4
25	Churchland	Davie, Davidson, Rowan	Minor	2003		0 O35080G4
26	Clarkton	Bladen, Columbus	Minor	2002		0 O34078D6

27 Clayton	Wake, Johnston	Basic	2004	1999	O35078F4
28 Coats	Harnett, Johnston	Basic	2000	0	O35078D6
29 Cokesbury	Harnett, Chatham, Wake, Lee	Minor	1999	0	O35078E8
30 Colerain	Hertford, Bertie	Minor	2002	0	O36076B7
31 Columbia East	Tyrrell	Basic	2001	0	O35076H2
32 Columbia West	Tyrrell, Washington	Basic	2001	0	O35076H3
33 Council	Bladen, Brunswick	Minor	2002	0	O34078D4
34 Currituck	Currituck	Minor	2002	0	O36076D1
35 Davis	Carteret	Minor	2002	0	O34076G4
36 Deep Run	Lenoir	Basic	2001	0	O35077B6
37 Dobbersville	Sampson, Wayne, Duplin	Basic	2000	0	O35078B2
38 Dunn	Harnett, Sampson, Johnston	Basic	2000	0	O35078C5
39 Dysartsville	Rutherford, Burke, McDowell	Minor	2003	0	O35081E7
40 Edmondson	Johnston, Wake	Minor	1999	0	O35078E5
41 Efland	Orange	Minor	2002	0	O36079A2
42 Elkin North	Surry, Yadkin	Minor	2003	0	O36080C7
43 Engelhard NE	Dare	Minor	2002	0	O35075F7
44 Engelhard NW	Dare, Hyde	Minor	2002	0	O35075F8
45 Engelhard West	Hyde	Minor	2002	0	O35076E1
46 Enochville	Rowan, Cabarrus, Iredell	Minor	2003	0	O35080E6
47 Ernul	Craven, Beaufort	Minor	2001	0	O35077C1
48 Erwin	Harnett, Cumberland	Basic	2000	0	O35078C6
49 Exum	Brunswick	Minor	2002	0	O34078A4
50 Fairfield NE	Tyrrell, Dare, Hyde	Minor	2002	0	O35076F1
51 Faison	Sampson, Duplin	Basic	2000	0	O35078A2
52 Falling Creek	Lenoir, Greene	Basic	2001	0	O35077C6
53 Farmlife	Martin, Beaufort	Minor	2001	0	O35076F8
54 Farrington	Chatham, Orange, Durham	Minor	1999	0	O35079G1
55 Fayetteville	Cumberland	Basic	2000	0	O35078A8
56 Flowers	Johnston	Minor	2000	0	O35078F3
57 Forest City	Rutherford	Minor	2003	0	O35081C7
58 Four Oaks	Johnston	Basic	2000	0	O35078D4
59 Four Oaks NE	Johnston	Basic	2000	0	O35078D3
60 Frog Pond	Stanly	Minor	2003	0	O35080C3
61 Frying Pan	Tyrrell, Dare	Minor	2002	0	O35076G1
62 Fuquay-Varina	Wake, Harnett	Minor	1999	0	O35078E7
63 Garner	Wake, Johnston	Basic	2004	1999	O35078F5
64 Gastonia North	Gaston	Minor	2003	0	O35081C2
65 Gatesville	Gates, Hertford	Minor	2002	0	O36076D7
66 Gilreath	Wilkes, Alexander	Minor	2003	0	O36081A1
67 Glenwood	McDowell, Rutherford	Minor	2003	0	O35081E8
68 Grandin	Caldwell, Wilkes	Minor	2003	0	O36081A4
69 Great Island	Dare	Minor	2002	0	O35076C3
70 Green Level	Chatham, Wake, Durham	Minor	1999	0	O35078G8
71 Greenville NE	Pitt	Basic	2001	0	O35077F3
72 Greenville NW	Pitt	Basic	2001	0	O35077F4
73 Greenville SE	Pitt	Basic	2001	0	O35077E3
74 Greenville SW	Pitt	Basic	2001	0	O35077E4
75 Hackney	Beaufort, Craven	Minor	2001	0	O35077D1
76 Hamilton	Bertie, Martin	Minor	2002	0	O35077H2
77 Hamlet	Richmond	Minor	2002	0	O34079H6

78	Harmony	Iredell	Minor	2003	0 O35080H7
79	Hatteras	Dare	Minor	2002	0 O35075B6
80	High Point East	Guilford, Randolph	Basic	2004	1999 O35079H8
81	High Point West	Davidson, Guilford, Randolph	Minor	1999	0 O35080H1
82	Hoffman	Richmond, Moore	Minor	2002	0 O35079A5
83	Hoke	Beaufort, Washington, Martin	Minor	2001	0 O35076F7
84	Horse Gap	Wilkes, Ashe	Minor	2003	0 O36081C3
85	Howard Reef	Hyde	Minor	2002	0 O35075B8
86	Jerome	Bladen	Minor	2002	0 O34078G6
87	Kinston	Lenoir, Greene	Basic	2001	0 O35077C5
88	Knightdale	Wake	Basic	2003	1999 O35078G4
89	Lake Wheeler	Wake	Basic	2004	1999 O35078F6
90	Lawndale	Cleveland	Minor	2003	0 O35081D5
91	Leland	Brunswick, Pender, New Hanover	Minor	2001	0 O34078C1
92	Lillington	Harnett	Basic	2000	0 O35078D7
93	Little Fishing Point	Pamlico	Minor	2003	0 O35076B4
94	Little Kinnakeet	Dare	Minor	2002	0 O35075D4
95	Manchester	Cumberland, Harnett	Basic	2000	0 O35078B8
96	Mangum	Anson, Montgomery	Minor	2002	0 O35079A8
97	Manns Harbor	Dare	Minor	2002	0 O35075H7
98	Marshville	Union, Anson	Minor	2003	0 O34080H3
99	Merry Hill	Bertie	Minor	2002	0 O36076A7
100	Merry Oaks	Chatham, Lee	Minor	1999	0 O35079F1
101	Middletown	Hyde	Minor	2002	0 O35076D1
102	Middletown Anchorage	Hyde	Minor	2002	0 O35075D8
103	Midway	Davidson	Minor	2003	0 O35080H2
104	Moncure	Lee, Chatham	Minor	1999	0 O35079E1
105	Moravian Falls	Wilkes, Alexander	Minor	2003	0 O36081A2
106	Morganton North	Burke, Caldwell	Minor	2003	0 O35081G6
107	Mount Gilead West	Anson, Montgomery, Stanly	Minor	2003	0 O35080B1
108	Mount Pleasant	Cabarrus, Stanly	Minor	2003	0 O35080D4
109	New Hill	Chatham, Wake	Basic	2004	1999 O35078F8
110	New Holland	Hyde	Minor	2002	0 O35076D2
111	New Lake NW	Hyde, Washington, Tyrrell	Minor	2003	0 O35076F4
112	Newton Grove North	Johnston, Wayne, Sampson	Basic	2000	0 O35078C3
113	Newton Grove South	Sampson, Wayne	Basic	2000	0 O35078B3
114	North Bay	Carteret	Minor	2002	0 O35076A3
115	Northeast Durham	Durham, Wake, Granville	Basic	2003	1998 O36078A7
116	Northeast Goldsboro	Wayne	Basic	2001	0 O35077D8
117	Northwest Durham	Orange, Durham	Basic	2003	1998 O36078A8
118	Northwest Goldsboro	Wayne, Johnston	Basic	2001	0 O35078D1

119	Oak City	Edgecombe, Martin	Minor	2002	0 O35077H3
120	Ocracoke	Hyde	Minor	2002	0 O35075A8
121	Pamlico Beach	Beaufort, Hyde	Minor	2002	0 O35076D5
122	Park Spring	Caswell	Minor	2002	0 O36079D4
123	Peacocks Crossroads	Johnston, Sampson	Basic	2000	0 O35078C4
124	Pembroke	Robeson	Minor	2002	0 O34079F2
125	Phillips Crossroads	Jones	Minor	2001	0 O35077A4
126	Pike Road	Beaufort, Washington, Hyde	Minor	2001	0 O35076F6
127	Pinebluff	Moore, Hoke, Scotland, Richmond	Minor	2002	0 O35079A4
128	Pinetops	Edgecombe, Wilson	Minor	2001	0 O35077G6
129	Plymouth East	Washington, Bertie	Basic	2001	0 O35076G6
130	Plymouth West	Martin, Washington, Bertie	Basic	2001	0 O35076G7
131	Point Caswell	Pender, Bladen, Columbus	Minor	2001	0 O34078D2
132	Point Harbor	Currituck	Minor	2002	0 O36075A7
133	Polkville	Rutherford, Cleveland	Minor	2003	0 O35081D6
134	Powellsville	Hertford, Bertie	Minor	2002	0 O36076B8
135	Powhatan	Johnston	Minor	1999	0 O35078E4
136	Quitsna	Bertie, Martin	Minor	2002	0 O35077H1
137	Raeford	Hoke, Robeson	Minor	2002	0 O34079H2
138	Raleigh East	Wake	Basic	2004	1998 O35078G5
139	Raleigh West	Wake	Basic	2004	1999 O35078G6
140	Ransomville	Beaufort	Minor	2001	0 O35076D6
141	Reelsboro	Pamlico, Craven, Beaufort	Minor	2001	0 O35076B8
142	Richfield	Cabarrus, Stanly	Minor	2003	0 O35080D3
143	Rivermont	Lenoir, Jones	Basic	2001	0 O35077B5
144	Rocky Mount	Nash, Edgecombe	Basic	2000	0 O35077H7
145	Rolesville	Wake, Franklin	Basic	2003	1999 O35078H4
146	Ruffin	Rockingham, Caswell	Minor	2002	0 O36079D5
147	Russellville	Anson	Minor	2003	0 O34080H2
148	Rutherfordton North	Rutherford	Minor	2003	0 O35081D8
149	Scranton	Hyde	Minor	2002	0 O35076D4
150	Selma	Johnston	Minor	2000	0 O35078E3
151	Shelby	Cleveland	Minor	2003	0 O35081C5
152	Shiloh	Currituck	Minor	2003	0 O36076C1
153	Singletary Lake	Bladen	Minor	2002	0 O34078E4
154	Slocomb	Cumberland, Harnett	Basic	2000	0 O35078B7
155	Southeast Durham	Wake, Durham	Basic	2003	1998 O35078H7
156	Southeast Goldsboro	Wayne	Basic	2001	0 O35077C8
157	Southwest Durham	Durham, Orange	Basic	2004	1998 O35078H8
158	Southwest Eden	Rockingham	Minor	2002	0 O36079D7
159	Southwest Goldsboro	Wayne	Basic	2001	0 O35078C1
160	Stanfield	Stanly, Union, Cabarrus	Minor	2003	0 O35080B4
161	Statesville East	Iredell	Basic	2005	0 O35080G7
162	Statesville	Iredell	Basic	2005	0 O35080G8

West					
163	Stedman	Cumberland, Sampson	Basic	2000	0 O35078A6
164	Stumpy Point	Dare	Minor	2002	0 O35075F6
165	Sunshine	Rutherfordton	Minor	2003	0 O35081D7
166	Timothy	Sampson	Basic	2000	0 O35078B4
167	Valdese	Burke	Minor	2003	0 O35081F5
168	Vander	Cumberland	Basic	2000	0 O35078A7
169	Wade Point	Pasquotank, Camden	Minor	2002	0 O36076B1
170	Wadesboro	Anson	Minor	2003	0 O34080H1
171	Wagram	Hoke, Scotland	Minor	2002	0 O34079H3
172	Wainwright Island	Carteret	Minor	2003	0 O34076H2
173	Wake Forest	Wake	Basic	2004	1999 O35078H5
174	Wallace West	Pender, Duplin, Sampson	Minor	2001	0 O34078F1
175	Wilson	Pitt	Basic	2001	0 O35077F8
176	Windsor North	Bertie	Minor	2002	0 O36076A8
177	Wingate	Union	Minor	2003	0 O34080H4
178	Winstead Crossroads	Wilson, Nash	Basic	2001	0 O35077G8
179	Winton	Gates, Hertford	Minor	2002	0 O36076D8
180	Woodard	Bertie, Martin	Minor	2002	0 O35076H7
181	Yanceyville	Caswell	Minor	2002	0 O36079D3
182	Zebulon	Wake, Johnston, Franklin, Nash	Minor	2000	0 O35078G3